

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

02/25/2011

Farah Hill  
Assistant District Attorney, Norfolk County

Dear ADA Hill,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]  
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Daniel Renczkowski.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Daniel Renczkowski was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Khan".

Annie Khan (Dookhan)  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6631  
[Annie.Khan@state.ma.us](mailto:Annie.Khan@state.ma.us)

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*  
*Executive Office of Health and Human Services*  
*Department of Public Health*  
*State Laboratory Institute*

Boston Drug Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours

8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 3:00

**DRUG RECEIPT**

City or Department: Stoughton PD Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: Det. James O'Connor

Defendant(s) Name (last, first, initial):  
[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight      Lab Number

<u>1 PO w/10 Paper Folds w/ Brown Powder + <sup>1 PB w/</sup> Brown Powder</u>	<u>7.84g</u>	<span style="background-color: black; color: black;">[REDACTED]</span>

Received by: Elo Date: 7-14-10

## Curriculum Vitae

### **Annie Khan (Dookhan)**

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \* Responsible for the Quality Control/Quality Assurance program for the drug lab.
- \*Notary Public.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP course with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS courses with Agilent Technologies and Restek.  
HPLC course with Waters Cooperation.  
FTIR course with Spectros.  
TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Daniel Renczkowski

### Education

Degree: Bachelors of Science in Forensic Chemistry,  
May 2005 from Buffalo State College  
GPA: 3.84, Dean's List, Honor's Recognition  
American Chemical Society Undergraduate Award  
Phi Lambda Upsilon Membership

Related Coursework:	Analytical Chemistry	Physical Chemistry
	Organic Chemistry I and II	Instrumental Chemistry
	Biochemistry	Forensics Laboratory
	Chemistry of Criminalistics	Physical Evidence
	Anatomy	Physiology

### Employment

Massachusetts Department of Public Health Drug Analysis Laboratory

Chemist I (October 2005 – March 2008)

Chemist II (March 2008 – present)

- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff
- Successfully completed GC/MS training program
- Responsible for the identification of substances to determine violation of the Controlled Substances Act of the Massachusetts General Laws
- Responsible for maintenance and repairs of analytical instruments
- Responsible for quality control of analytical instruments and standards

### Related Experience

Niagara County Forensics Laboratory

Forensic Internship, January 2005

- Conducted research on the presumptive testing of saliva
- Conducted research on the identification and detection of lubricants
- Observed all aspects of the laboratory including drug analysis, firearms comparison, trace evidence, arson investigation, toxicology, and serology
- Daily use of FTIR microscope and DuraSamplerII
- Familiarized with GC/MS programs

No. [REDACTED]

Date Analyzed:

10-5-10

City: Stoughton Police Dept.

Officer: Detective JAMES O'CONNOR

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 11 Cont: package

Date Rec'd: 07/14/2010

No. Analyzed: 2

Gross Wt.: 7.84

Net Weight: 1.81

# Tests: 8 ASO

• 4 DJR

Prelim: Heroin

Findings: Heroin

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY State of Michigan ANALYST AJG

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt (1): 24.0563

Beige powdered substance  
in 11 packages

Gross Wt (2): 0.7297

Pkg. Wt: \_\_\_\_\_

Net Wt: \_\_\_\_\_

2 pbs

9 gbs

## PRELIMINARY TESTS

### Spot Tests

- Cobalt  
2 Thiocyanate (+) \_\_\_\_\_  
- Marquis + \_\_\_\_\_  
2 Froehde's + \_\_\_\_\_  
2 Macke's + \_\_\_\_\_

### Microcrystalline Tests

- Gold  
Chloride \_\_\_\_\_  
TLTA ( ) \_\_\_\_\_

### OTHER TESTS

- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 10-1-10

## GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS  
OPERATOR DJR

DATE 10-5-10

Sample #: [REDACTED]

# samples tested: \_\_\_\_\_

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.3388	0.2818	0.0570	26	9b		
2	0.3931	0.1199	0.2732	27	pb double bagged		
3				28			
4				29			
5				30			
6				31			
7				32			
8				33			
9				34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

Calculations:

$$\text{Est Net wt} = 0.330212 = 0.1651(11) \\ = 1.8161$$

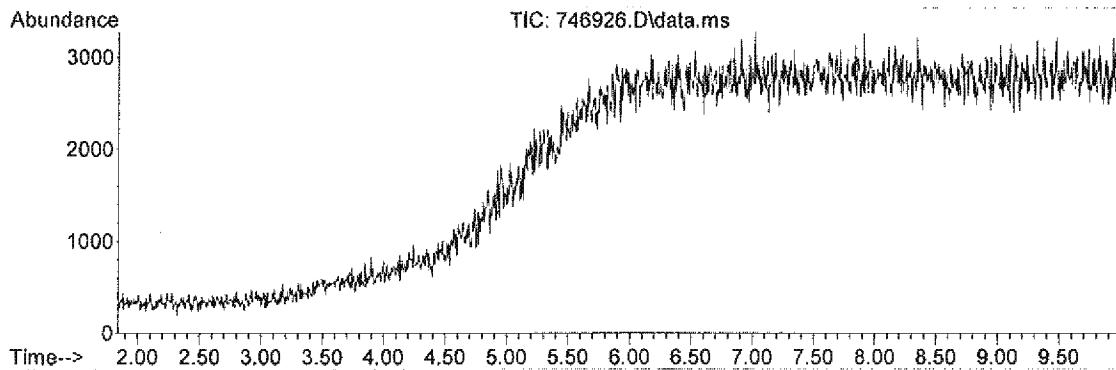
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746926.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 16:02  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

DJR  
2-9-11



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

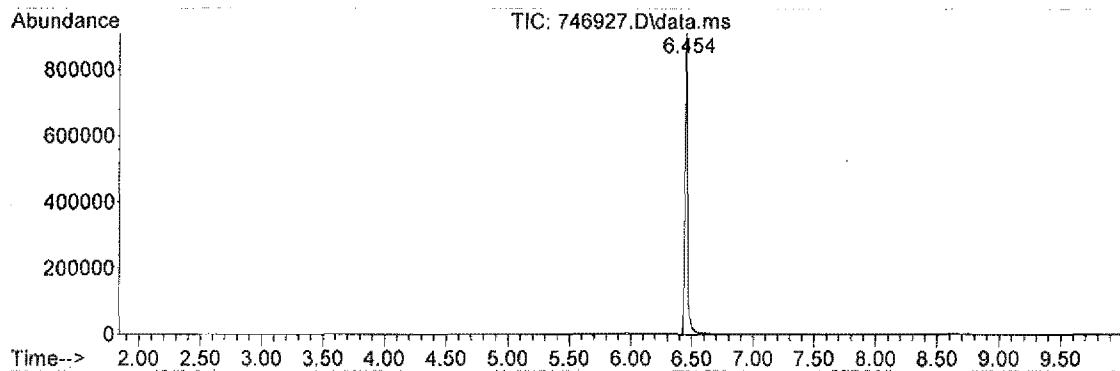
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746927.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 16:14  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 27  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.454	1343320	100.00	100.00

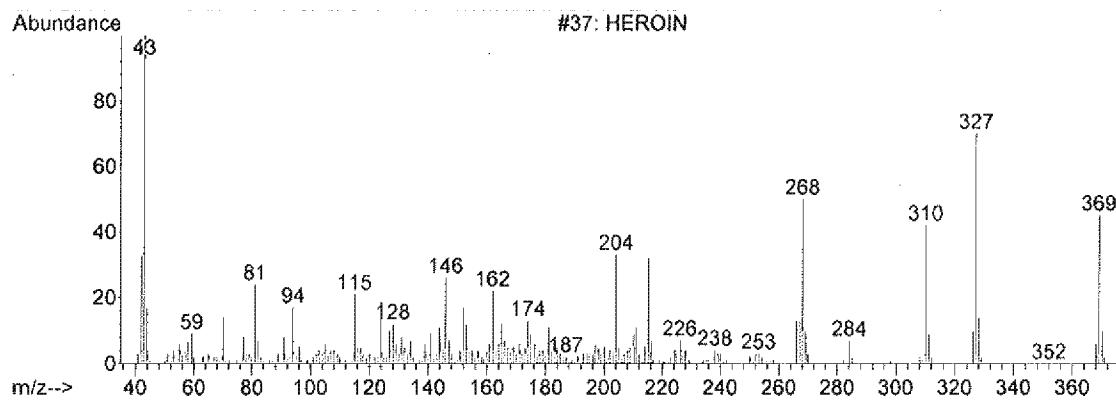
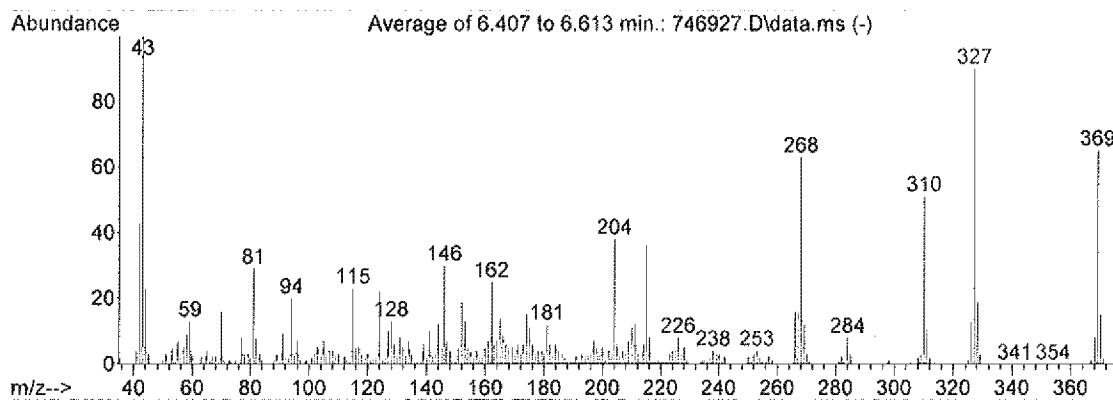
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## Information from Data File:

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Operator : DJR  
Date Acquired : 4 Oct 2010 16:14  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 27  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.45	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		HEROIN	000561-27-3	99

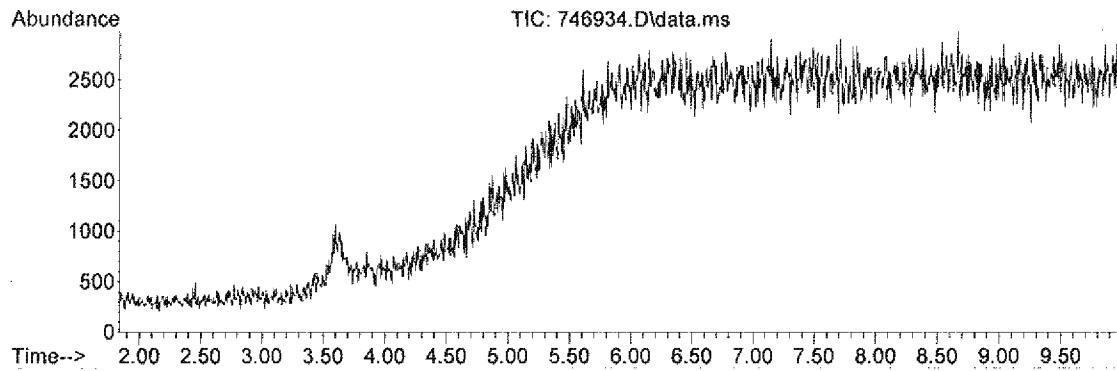


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Operator : DJR  
Date Acquired : 4 Oct 2010 17:42  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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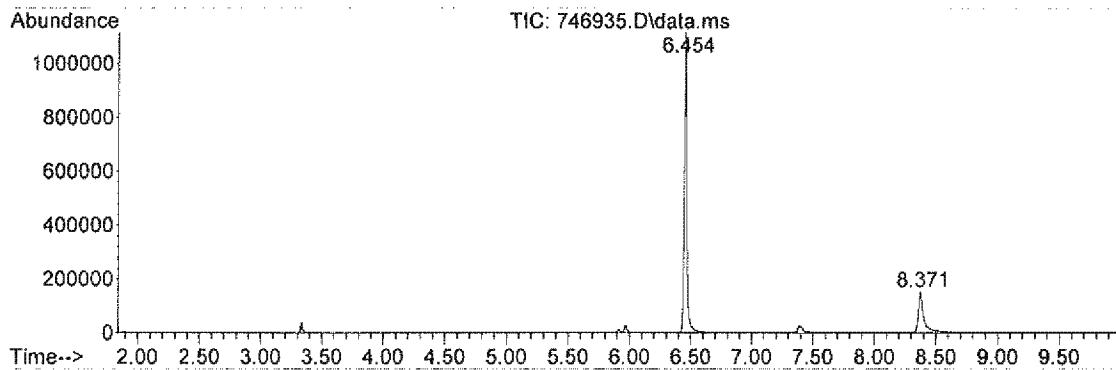
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746935.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 17:55  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 35  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.454	1602660	77.94	100.00
8.371	453727	22.06	28.31

Area Percent / Library Search Report

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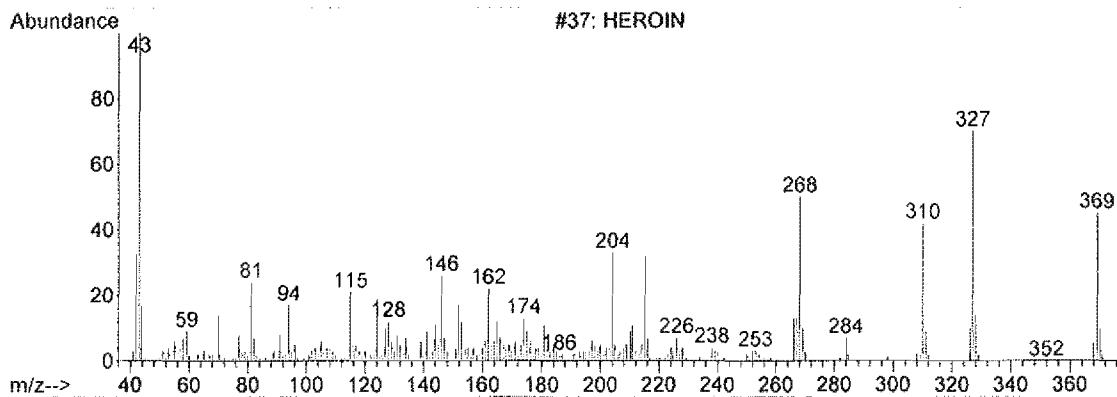
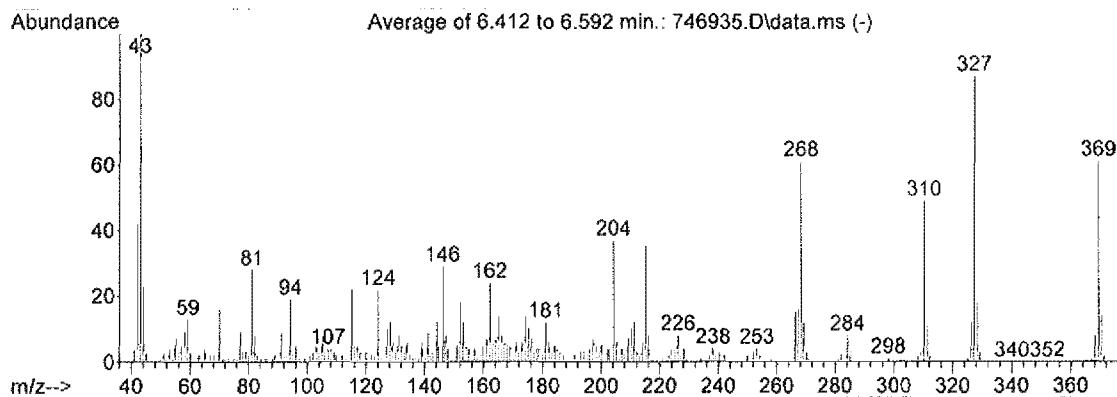
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File Name : C:\msdchem\1\System7\10\_04\_10\746935.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 17:55  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 35  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.45	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		HEROIN	000561-27-3	99



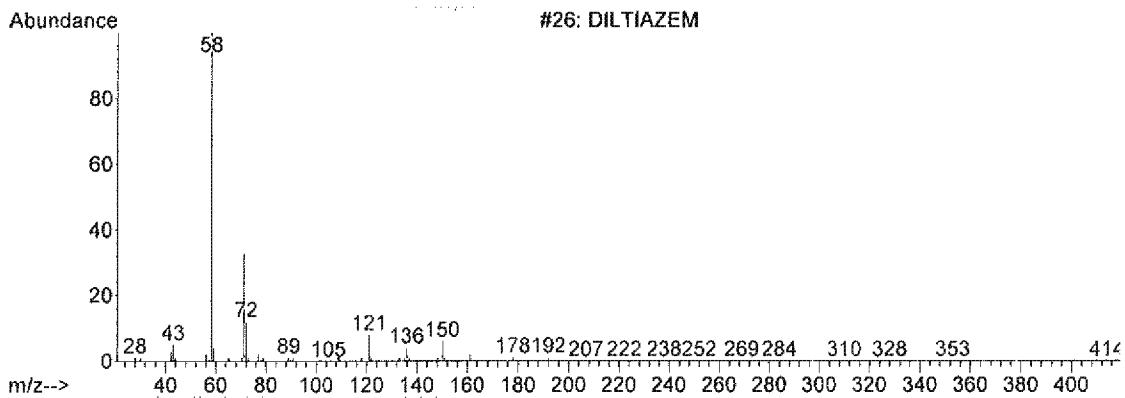
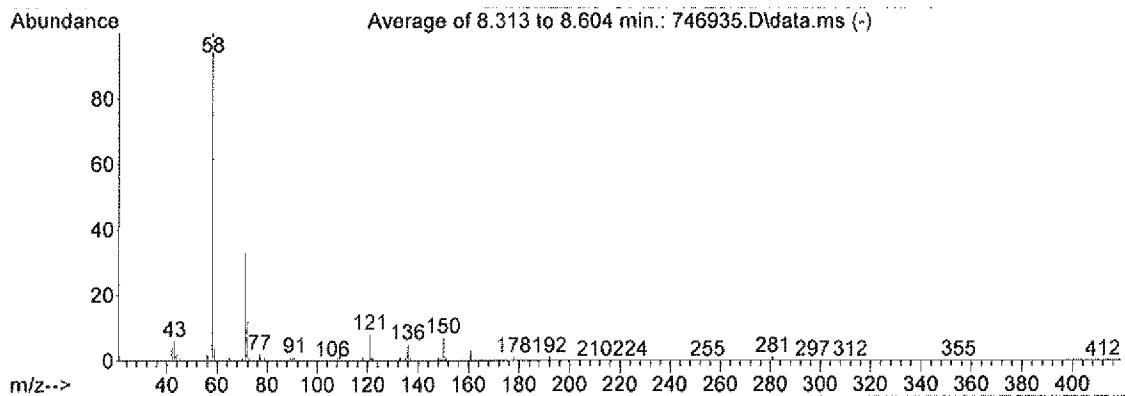
## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746935.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 17:55  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 35  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	8.37	C:\Database\SLI.L		
		DILTIAZEM	033286-22-5	91
		3, 4-MDMA	042542-10-9	9
		CITALOPRAM	059729-33-8	9



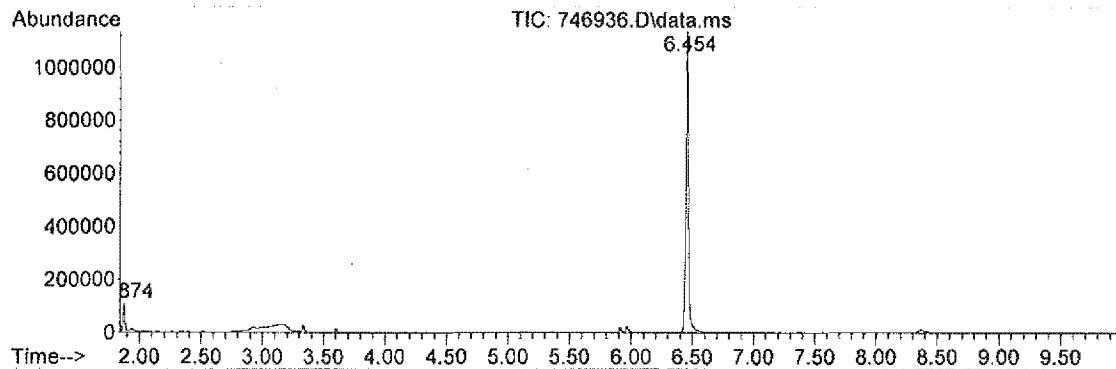
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746936.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 18:08  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 36  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
1.874	106687	5.99	6.38
6.454	1673007	94.01	100.00

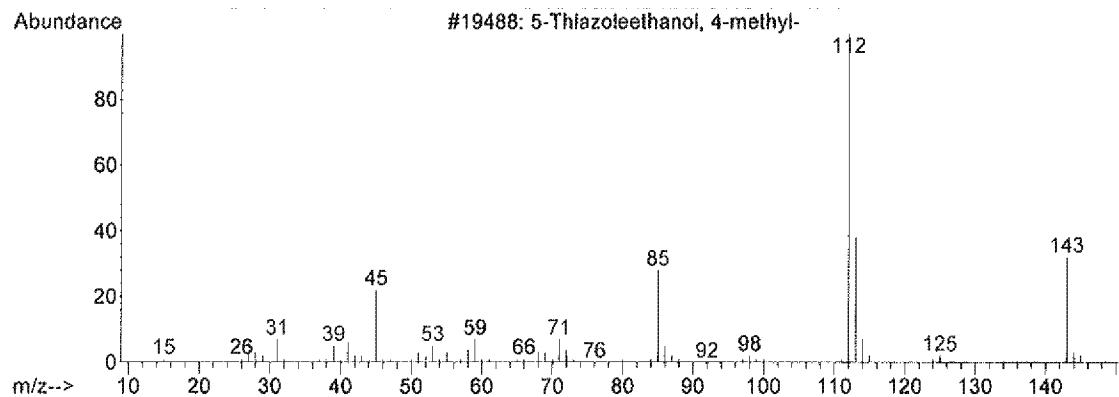
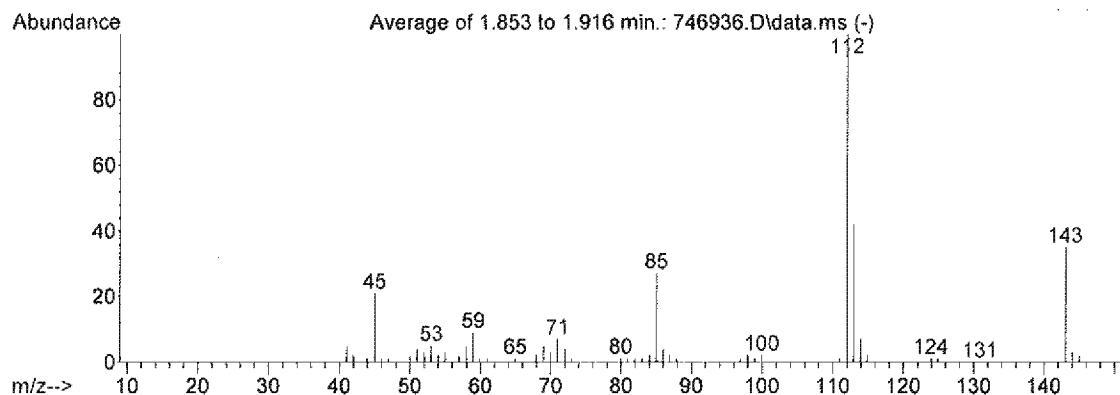
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## Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746936.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 18:08  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 36  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.87	C:\Database\NIST05a.L		
		5-Thiazoleethanol, 4-methyl-	000137-00-8	96
		5-Thiazoleethanol, 4-methyl-	000137-00-8	93
		5-Thiazoleethanol, 4-methyl-	000137-00-8	91



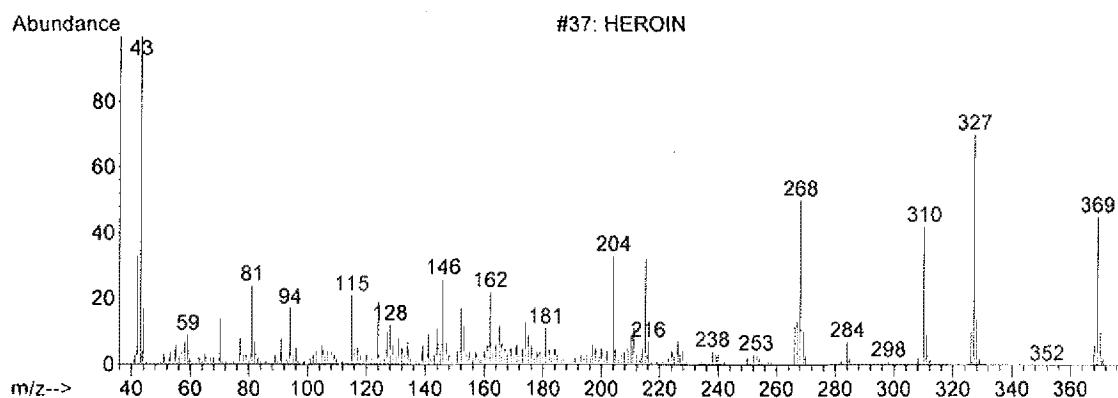
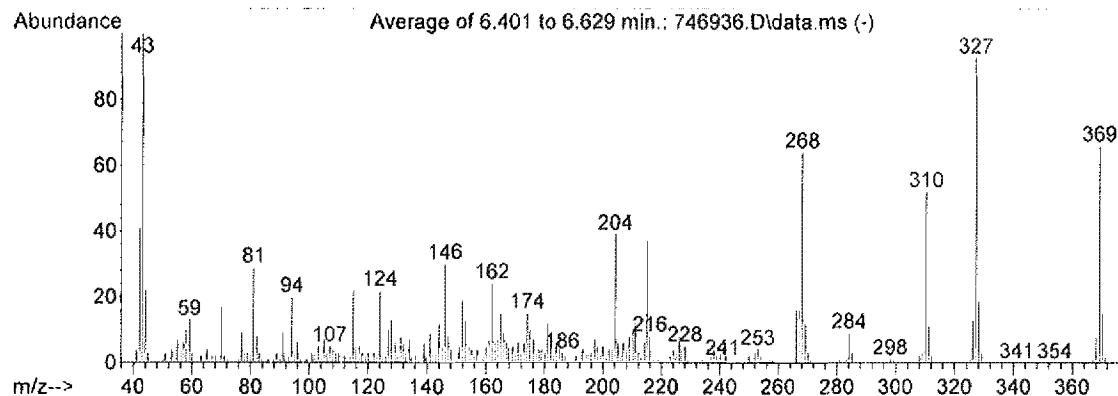
## Area Percent / Library Search Report

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Operator : DJR  
Date Acquired : 4 Oct 2010 18:08  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 36  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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		HEROIN	000561-27-3	99
		HEROIN	000561-27-3	60



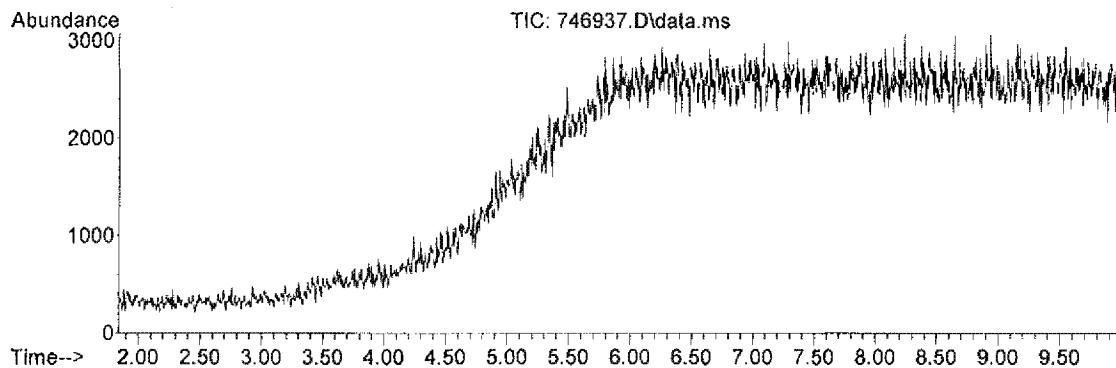
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746937.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 18:20  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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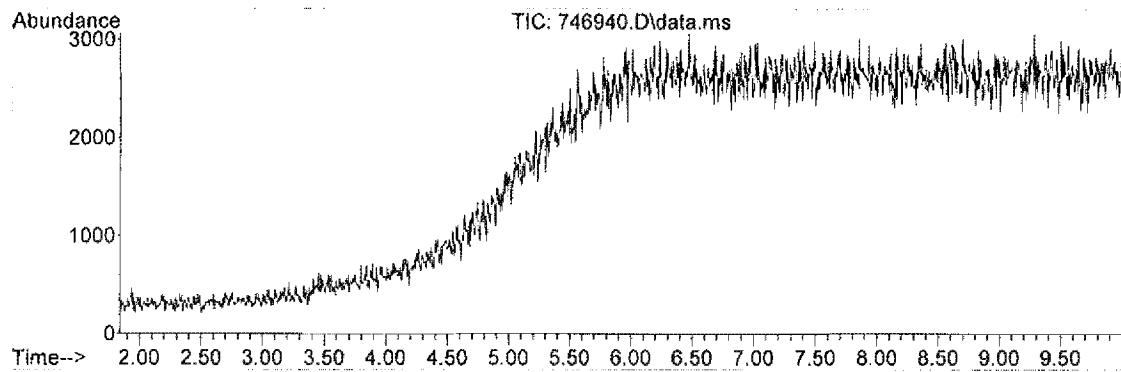
\*\*\*NO INTEGRATED PEAKS\*\*\*

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746940.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 18:58  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

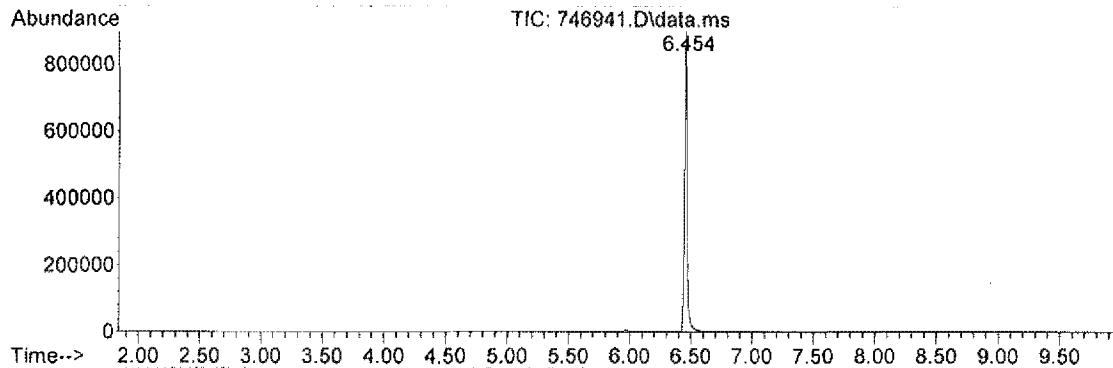
Area Percent / Library Search Report

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Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746941.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 19:10  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 41  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.454	1334710	100.00	100.00

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## Area Percent / Library Search Report

## Information from Data File:

File Name : C:\msdchem\1\System7\10\_04\_10\746941.D  
Operator : DJR  
Date Acquired : 4 Oct 2010 19:10  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 41  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 70  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.45	C:\Database\SLI.L		
		HEROIN	000561-27-3	99
		HEROIN	000561-27-3	99

